

REMARKS

In response to the objection to claim 19, the second listing of B_2O_3 has been deleted.

Claims 9-38 were rejected under 35 U.S.C. §102(b) as being anticipated by Beguin et al. (Beguin).

Reconsideration is requested.

Claim 9 has been amended to introduce the connecting phrase "consisting of" and the subject matter of claims 10 and 12 which have been canceled. The amount of BaO in claims 14, 19, 24, 29 and 34 is now specified as "1.19-42%". This amendment is based on the amount of BaO that is disclosed in Example 67. The change in refractive index caused by radiation has been inserted into claims 16, 21, 26, 31 and 36 in order to point out the inventive feature of the present invention over the Beguin patent. New claim 39 points out the method of making an optical glass for an i'line stepper.

The glass of the invention, as defined in claims 9, 11 and 13 does not contain either Er_2O_3 or Yb_2O_3 . In contrast, the glasses disclosed by Beguin must contain Er_2O_3 or Yb_2O_3 and as such fail to disclose or suggest the glasses defined by the amended claims. The high transmittance of the claimed in the vicinity of the i'line is achieved without the Er ingredient of the Beguin patent.

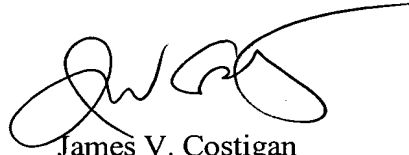
Claims 14-38, as amended, contain BaO in amounts of not less than 1.19% and also point out that the change in refractive index after irradiation of light under the stated conditions, is 5ppm or less. The glasses of the examples of the Beguin patent contain BaO in amounts of 0.6 parts by weight which is equivalent to 0.57 - 0.6weight %. There is no mention in Beguin of any composition modification that would direct a skilled artisan to the compositions defined by the amended claims. For these reasons, it is requested that this ground of rejection not be applied against the amended claims.

New claim 39 points out a method for making glass for an i'line stepper. The glasses disclosed by Beguin are used for laser glass and for amplifying a light signal which does not suggest the making of a glass for an i'line stepper. Nothing in the Beguin patent makes this method obvious.

A Request for Continued Examination is attached to this Amendment.

An early and favorable action is earnestly solicited.

Respectfully submitted,



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